

DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS

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UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR
RUBBER AIR PILLOWS

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 232a

[Revised June 1, 1925]

This specification was officially promulgated by the Federal Specifications Board on November 5, 1924, for the use of the Departments and Independent Establishments of the Government in the purchase of rubber air pillows.

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I. TYPE

Rubber air pillows shall be of a single type, as described below.

II. MATERIAL AND WORKMANSHIP

Pillows shall be made of single-coated rubber sheeting, free from pits or other imperfections.

III. GENERAL REQUIREMENTS

Pillows shall be size No. 3, approximately 18 inches long and 12 inches wide, and shall be securely fitted with a nickel-plated, screw-

tightening air valve at one corner. Pillows shall be reinforced around the edges and valve. There shall be a partition not less than $6\frac{1}{2}$ inches nor more than 8 inches long, midway between the ends.

IV. DETAIL REQUIREMENTS

1. RUBBER CONTENT.—The rubber compound shall contain not less than 38 per cent, by weight, of the best quality, new wild or plantation rubber.

2. FABRIC.—The sheeting shall be a plain weave, evenly woven and free from imperfections and makeweight. It shall have a thread count of not less than 68 threads in warp and 70 threads in filling, and shall weigh not less than 4.3 ounces per square yard. It shall have a tensile strength of not less than 60 pounds, warp and filling, determined by the strip method.

3. FINISHED SHEETING.—The thickness of coated sheeting shall be 0.025 inch $\pm$ 0.003 inch. The tensile strength of the coated sheeting shall be not less than 65 pounds, warp and filling. Tests shall be made within 30 days from date of delivery by the strip method on specimens 2 inches wide.

4. INFLATION.—Each pillow when inflated with air at a pressure of 3 lbs./in.² shall show no leakage nor indication of weakness.

V. SAMPLING

One air pillow shall be selected from each 100 or less delivered for test and analysis.

VI. PACKING AND MARKING

Pillows shall be packed and marked as called for in the proposal.

VII. ADDITIONAL INFORMATION

No details specified.

VIII. GENERAL SPECIFICATIONS

General Specifications for Rubber Goods, F. S. B. Specification No. 59a, and for Textiles, in effect on date of issuance of proposal, shall form part of this specification.

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